



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,346	06/10/2005	Aravind Soundararajan	PHUS020514	3791
24737	7590	10/09/2007	EXAMINER	
PHILIPS INTELLECTUAL PROPERTY & STANDARDS			WOO, STELLA L	
P.O. BOX 3001			ART UNIT	PAPER NUMBER
BRIARCLIFF MANOR, NY 10510			2614	
MAIL DATE		DELIVERY MODE		
10/09/2007		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/538,346	SOUNDARARAJAN, ARAVIND
	Examiner	Art Unit
	Stella L. Woo	2614

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_\_.
- 2a) This action is **FINAL**.      2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-31 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-31 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 10 June 2005 is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application
- 6) Other: \_\_\_\_\_.

## DETAILED ACTION

### ***Specification***

The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

#### **Arrangement of the Specification**

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. **Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading.** If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT.
- (e) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC.
- (f) BACKGROUND OF THE INVENTION.
  - (1) Field of the Invention.
  - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (g) BRIEF SUMMARY OF THE INVENTION.
- (h) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (i) DETAILED DESCRIPTION OF THE INVENTION.
- (j) CLAIM OR CLAIMS (commencing on a separate sheet).
- (k) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (l) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-2, 7-10, 12, 14-15, 19, 21, 23-24, 28, 30 are rejected under 35

U.S.C. 102(e) as being anticipated by Yamaguchi (US 6,693,510 B1).

Regarding claims 1, 14, Yamaguchi discloses a device (mobile station; Figure 2), comprising:

a two-way radio comprising a transmitter system (including transmitter 15; col. 5, lines 60-67; col. 6, lines 27-43) and a receiver system (including receiver 13; col. 5, lines 47-59; col. 6, lines 5-20).

Regarding claims 2, 15, 23-24, Yamaguchi discloses an encoder block comprising a video encoder (image coder 28; col. 6, lines 30-33) and an audio encoder (voice coder 27; col. 6, lines 26-30), a decoder block comprising a video decoder (image decoder 25; col. 6, lines 17-20) and an audio decoder (voice decoder 26; col. 6, lines 15-17), a multiplexer (MUX 23) and a de-multiplexer (DE-MUX 22).

Regarding claims 7-10, 14, 19, 23, 28, note video input device (camera 32), audio input device (microphone 31), A/D converter block (col. 6, lines 27-33), a modulator (MOD 17), a transmitter (Tx 15), an antenna (ANT 11), a receiver (Rx 13), a demodulator (DE-MOD 16), a D/A converter block (col. 6, lines 15-20), a video output device (display 29), and an audio output device (speaker 30).

Regarding claims 12, 21, 30, MPEG 4 software is used (col. 7, lines 31-45).

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 3-4, 16, 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamaguchi in view of Saburi (US 2003/0085990 A1).

Yamaguchi differs from claims 3-4, 16, 25 in that it does not specify the first and second switching means. However, Saburi teaches the well known use of such switching means (switches 4 and 5; Figure 4) to switch between sound mode, image mode, and sound/image mode (paragraphs 52-69) such that it would have been obvious to an artisan of ordinary skill to incorporate such a first and second switching means within the device of Yamaguchi in order to selectively transmit image and/or voice.

5. Claims 5-6, 11, 13, 17-18, 20, 22, 26-27, 29, 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamaguchi in view of Irvin (US 6,658,264 B1).

Yamaguchi differs from claims 5-6, 17-18, 26-27 in that although it teaches the use of software for the image encoder/decoder (note software 24), it does not specify using a hardware encoder/decoder for the image signal or software encoding/decoding for the audio signal. However, Irvin teaches the well known use of either hardware or software in a wireless communication terminal (col. 4, line 55 – col. 5, line 6) such that it would have been obvious to an artisan of ordinary skill to similarly incorporate the use of

either hardware or software, as taught by Irvin, to carry out the encoding/decoding functions in Yamaguchi.

Regarding claims 11, 13, 20, 22, 29, 31, Irvin teaches the use of the Family Radio Service (col. 2, lines 7-17; col. 4, lines 46-54).

***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hara et al. and Nakamura et al. show other mobile video-telephony devices.
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stella L. Woo whose telephone number is (571) 272-7512. The examiner can normally be reached on Monday-Friday, 8:00 a.m. to 4:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curtis Kuntz can be reached on (571) 272-7499. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Stella L. Woo  
Primary Examiner  
Art Unit 2614